

ELECTRICAL CAPACITANCE-TYPE DIAPHRAGM PRESSURE SENSOR
AND A METHOD OF FABRICATING THE SAME

ABSTRACT OF THE DISCLOSURE

A compact and highly accurate pressure sensor, and
5 a method of fabricating the same are provided by
improving functioning of a diaphragm which acts as a
means for sensing a fluid pressure. An electrical
capacitance-type diaphragm pressure sensor for sensing a
fluid pressure is fabricated by providing non-metallic
10 strip diaphragms in opposing relation to each other;
forming deposited electrodes on the opposing surfaces of
the diaphragms to form a pressure receiving part (10a) of
a pressure-sensing member (10); depositing a metal on the
diaphragms except for an end part of the pressure-sensing
15 member where an electrode output terminal is formed;
mounting a soluble flange along an approximate border
between the end part and pressure receiving part of the
pressure-sensing member; applying a nickel plating (22)
as a protective layer to the pressure receiving part and
20 the periphery of the flange; removing the flange except
the nickel-plated protective layer; and mounting
supporting members (31, 32) in the region where the
flange was removed.